

MODIS L1 Integration

22 ~~29~~ July 1999

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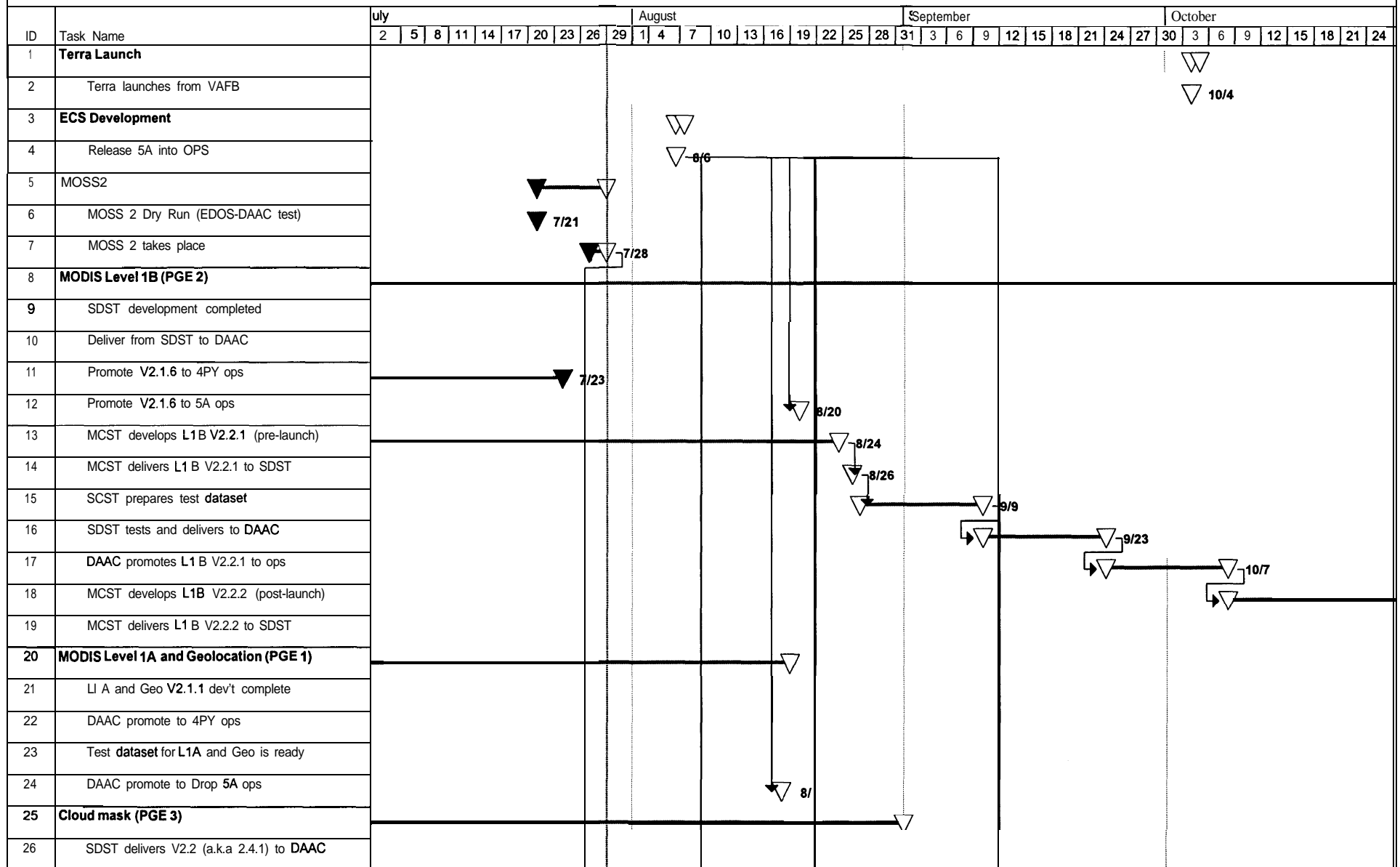
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MODIS L1 Integration: Summary Status

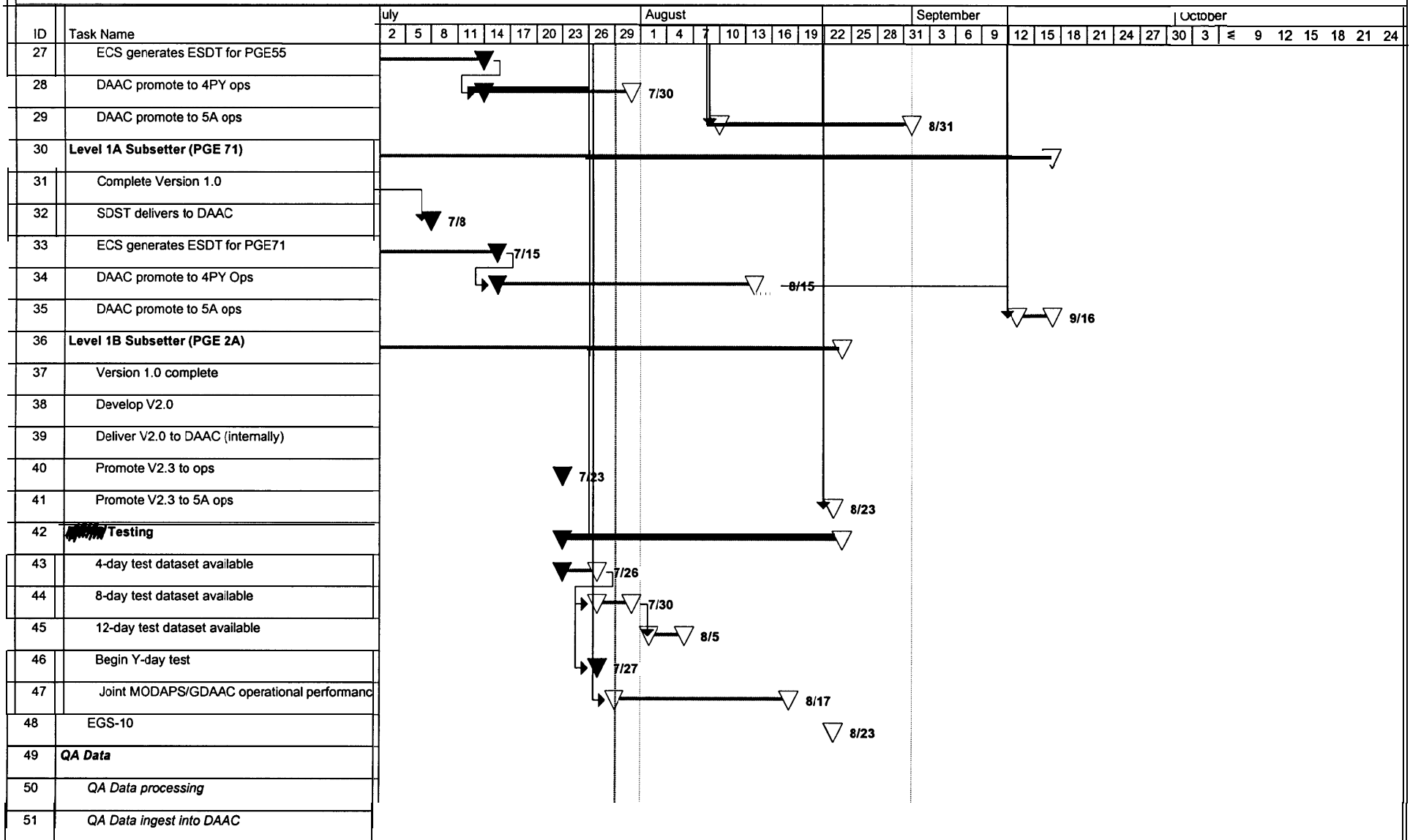
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- L1B (PGE2)
 - Version 2.1.5 **2.1.6** in DAAC, delivering lookup table to upgrade to 2.1.6
 - Launch version is 2.2.1 (deliver to DAAC on 26 Aug)
- L1A and Geolocation (PGE1)
 - Promoted to DAAC ops (drop 4PY). ***Expect promotion to 5A by 78 Aug***
- Cloud Mask (PGE3)
 - Launch version in DAAC, promoting to **(5A)** ops (expect 1 Sep)
- L1A Subsetter (PGE71)
 - Completed, delivered to DAAC, ECS delivered ESDT in 4PY. 11. ***Promote to 4PY ops by 15 Aug, to 5A ops by mid Sep***
- L1B Subsetter (PGE 2A)
 - Launch version in DAAC, promoting to ***promoted to 4PY*** ops on 23 Jul. ***Expect promotion to 5a ops by 23 Aug***
- Testing
 - Will use *used* L1B version 2.1.6 for MOSS 2
 - MOSS 2 slipped to late July *underway*, dry run ***completed last week*** on 21 Jul
- QA
 - no update

MODIS L1 Integration
MASTER SCHEDULE
28 July 1999



MODIS L1 Integration
MASTER SCHEDULE
28 July 1999



MODIS Level 1 Integration Issues

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Item	Responsible Person	Due Date	Comments
1. Assess results of MOSS 2 dry run on 21 Jul 99 to determine whether a L1 backup system is needed	Ed Masuoka	23 Jul 99	Problems with ECS data production are expected to be corrected and will be tested in the MOSS 2 test <u>STATUS: CLOSED</u>
2. Find out what the schedule is for resolution of the following ECS problems at the GDAAC: 1. Production plan fails when fractured data is received from EDOS. 2. Subscription Delivery Notice: User string not being filled in impacts cal/val of sensor. 3. Unable to delete Data Processing Requests (DPRs) 4. Autosys job boxes not completing.	F Bordi	15 Jul 99	The schedule for resolution of the four items listed is as follows: Item 2.1: End of July Item 2.2: Mid August Item 2.3: This problem could not be reproduced, therefore no NCR was submitted Item 2.4: this problem is expected to be fixed by the 5A patch due at the end of August <u>STATUS: OPEN</u>
3. ECS needs to generate an ESDT for the L1A subsetter (PGE71). Bob Plante is the responsible person	M Moore	21 Jul 99	ESDIS has developed the necessary direction for ECS to add L1A subsetting to the ECS requirements. (MM)(MM)-ESDTs were delivered in 4PY. 11 last week <u>STATUS: CLOSED</u>
4. Decide which is the launch PGE: L1B 2.1.6 or 2.2.0	RE Murphy	1 Jul 99	REM will write memorandum articulating the difference between 2.1.6 and 2.2.0 and recommending which one is the launch version EM – SDST is comparing output products from L1B version 2.1.5 with L1B 2.2 output files. Both versions were run using L1A product made with the most current version of our synthetic data (Version 2.1.5). If the new L1B (V2.2) does not break the downstream processing (L2 and higher products) then we will want

			to put it in as the at-launch version of this PGE. This analysis should be completed by early next week.
5. Level 1 product data volumes are 94GB above the 2/96 baseline. The volume increases are as follows: 8GB in L1A , 1GB in geolocation fields and 85GB in L1B . Are we in agreement that this will be handled by storing L1B for less than 6 months or is there another approach we should be pursuing?	Ed Masuoka and Bob Murphy		EM will send e-mail to the discipline leads discussing the problem. REM has convened a meeting of the discipline leads for Ju129
6. Establish a date for DAAC testing with ECS release 5A (EGS 10)	Steve Kempler	21 Jul 99	The date for EGS 10 is 23 Aug 99 STATUS: CLOSED
4.8.1 External data (GDAS)			(MM) ESDIS has approved a CCR to support re-implementation of the ECS GDAS interface (NOAA changed the GRIB format without informing ESDIS of the change). ECS is in the process of re-implementing the interface, but the current development schedule does not have the changes completing until mid-July. We are looking for other resources to bring this date in but haven't found them yet. (MM) The fix for the GDAS format change has been integrated into the 4PY and 5A baselines and is being tested. It will be released as a patch by 7/30 Need to ask for delivery schedule to Info server and to DAAC <u>Delivery date to DAAC is 21 Aug 99 as part of patch 5A.01</u> <u>STATUS: CLOSED</u>
4.8.2 DAAC support for PGE55			(MM) We may need to update the DAAC processing requirements to support PGE55, since it is my understanding that this PGE will be executed in the DAAC to provide input to PGE03 sometime in the near post-launch timeframe. Although it is my understanding that the PGE does not have significant processing requirements, adding the requirements may help mitigate the risk identified under Item 7.

			(MM) We are adding support for PGE 55. We (ESDIS and ECS Science Office) need to work with the DAAC and MODIS to ensure that existing production rules are adequate. These changes should be reflected in an update to the MODIS Science Data Processing Software System Description and in the MODAPS SIPS ICD.
7.7. Establish policy and process to release L1 software to the public.	KE Murphy		STATUS: OPEN
7.10. MCST is requesting ECS generate a new ECST for level 1B	B Berriman		This new ESDT is a copy of the ECS core metadata into an ASCII file to support MCST daily QA activities. The method replicates QA activities already implemented at ECS by LDOPE STATUS: OPEN
7.11. What is the (post launch) time period for formal calibration of Terra instruments (or, when will data be released to the public)			It seems that the question was raised by Vanessa Griffin in connection with the preparations for the science ORR
12. <u>There is a proposal to store only Level 0 data, and regenerate Level 1A data when needed (if the storage space saved this way can be kept by MODIS)</u>			